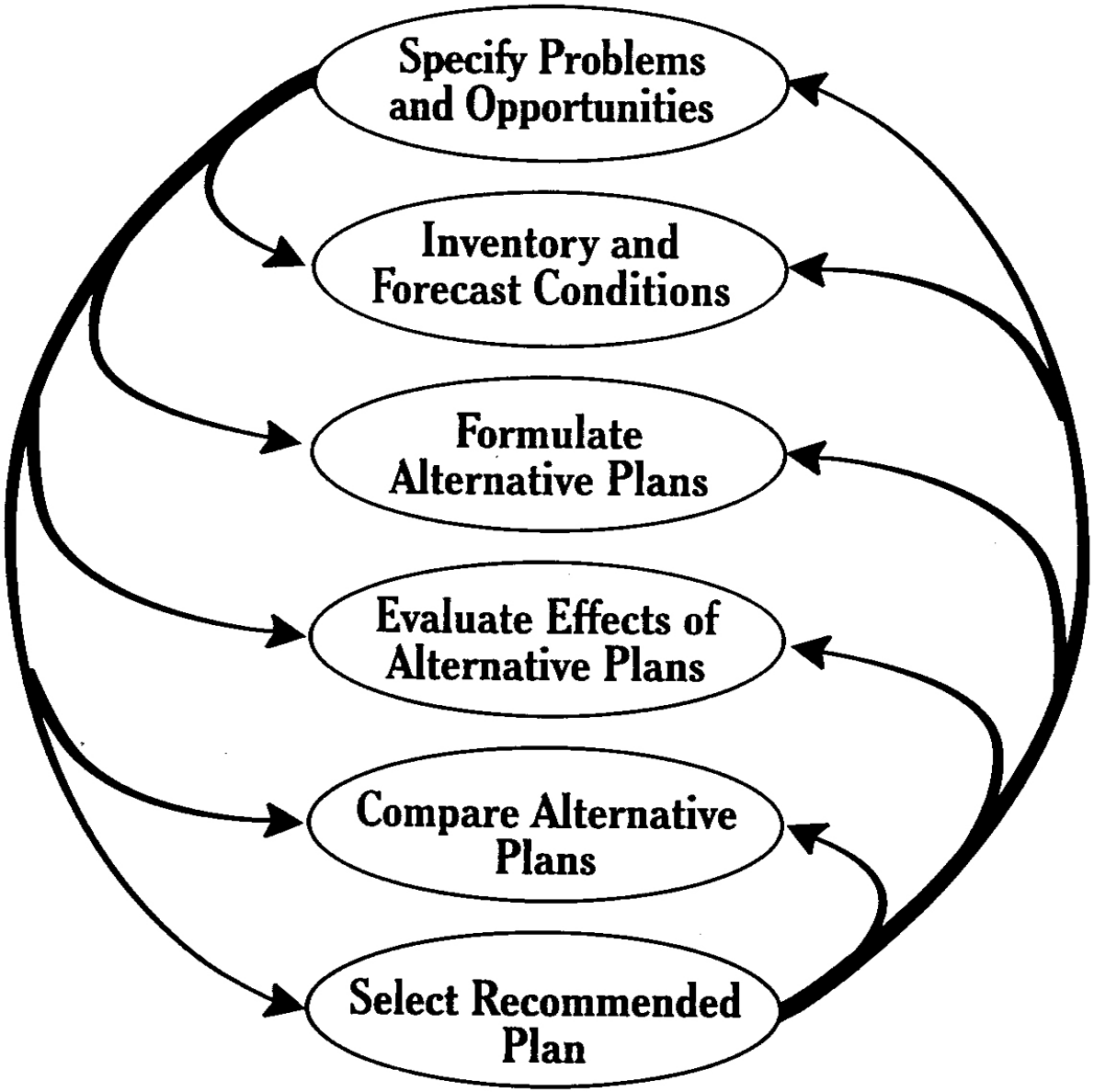
PLANNING PROCESS



STEP 1
SPECIFY PROBLEMS AND OPPORTUNITIES

Would you tell me, please, which way I ought to walk from here?” “That depends a good deal on where you want to get to,” said the Cat. “I don’t much care where --” said Alice. “Then it doesn’t matter which way you walk,” said the Cat.

From Lewis Carroll’s *Alice’s Adventures in*

PROBLEMS AND OPPORTUNITIES REFERENCES

- ER 1105-2-100 - Chapter 5
- Planning Manual - Chapter 6
  - Especially good -

LEARNING OBJECTIVES

- Principles and Guidelines requirements
- Concepts
  - problems
  - opportunities
  - goals
  - objectives
  - constraints
- Where do they come from?
- What do you do with them?

PRINCIPLES AND GUIDELINES REQUIREMENTS

- Section II - The Federal Objective
  - 1.3.3 Specification of the Problems and Opportunities Associated With the Federal Objective and Specific State and Local Concerns
  - 1.5.2 Problems and Opportunities

"The Federal objective of water and related land resources planning is to contribute to national economic development consistent with protecting the Nation's environment, pursuant to national environmental statutes, applicable executive orders, and other Federal planning requirements."

Principles and Guidelines
Chapter I, Section II, paragraph (a)

Each statement of a problem or opportunity should be expressed in terms of a desired output. Example statements are -

- "Reduce flood losses in the Red River floodplain to increase agricultural production.
- "Reduce the cost of agricultural production in the irrigated sector of Tolland County; and
- "Increase the value of the recreational experience at Lake Zoar."

Principles and Guidelines
Chapter I, Section II, paragraph (d)

CONCEPTS

- Problems
- Opportunities
- Goals
- Objectives
- Constraints

PROBLEMS AND OPPORTUNITIES

Conditions found in the world.

Problem: NEGATIVE.

SAMPLE PROBLEM STATEMENTS

The problems in the Franklin Creek watershed are:

- Loss of fish habitat in Franklin Creek due to urbanization.
- Flood damages in the industrial section of the Central City.
- Streambank erosion along Campus Park.
- Saltwater intrusion in the Franklin Bay estuary.

SAMPLE OPPORTUNITY STATEMENTS

There are opportunities in the Franklin Creek watershed to:

- Increase wildlife habitat along Campus Park.
- Restore indigenous fish species in the upper basin.
- Provide increased recreational opportunities along the waterfront.

PROBLEM/OPPORTUNITY PROFILE

- Public Concerns
  - Advocate
  - Basis
  - Background
  - Other stakeholders
- Technical Analyses
  - Subject
  - Location
  - Measurement
  - Conditions
  - Decision criteria
  - Causes and effects
  - Conclusion
- Problem/Opportunity Statement
- Information
  - Sources
  - Studies needed

GOAL AND OBJECTIVE

- Goal:
  DO GOOD BROADLY

- Objective:
  DO GOOD SPECIFICALLY

- Begin with the unspoken “To…”

SAMPLE GOAL

”...to contribute to national economic development consistent with protecting the Nation's environment, pursuant to national environmental statutes, applicable executive orders, and other Federal planning requirements."

SAMPLE PLANNING OBJECTIVES

- Reduce flood damages in the City of Maccaville through the year 2020.
- Improve navigation delivery times at Julian Harbor through the year 2020.
- Restore degraded tall-grass wetland habitat in Harrison County through the year 2020.

National/Regional Perspective

	UNITED STATES	YOUR STUDY AREA
GOALS	Life, liberty, pursuit of happiness (Dec. of Ind.)	National economic development (P&G)
OBJECTIVES	National economic development (P&G)	Planning objectives: • Flood • Navigation • Restoration

OBJECTIVES AND CONSTRAINTS

Objective:

DO GOOD

Constraint:

DON'T DO, CAN'T DO

Begin with the unspoken "To…"

Endangered species:

As an objective…

As a constraint…

TYPES OF CONSTRAINTS

- planning constraints
  - universal givens
  - unique to each study
- study resource constraints
  - time
  - money
  - talent

SAMPLE PLANNING CONSTRAINTS

- Avoid effects on habitat of the Federally endangered three-toed blackbird in the Blue River watershed.

- Minimize relocation of homes and businesses from District 5 in Starrtown.

- Maintain the visual quality of the Blue River riparian zone from river mile 6.0 through river mile 17.5.

PLANNING OBJECTIVE

- statement - sentence
- effect - verb
- problem/opportunity - subject
- location
- timing and duration

TYPES OF EFFECTS

- ACTIONS
  - conserve
  - create
  - enhance
  - improve
  - maintain
  - preserve
  - protect
  - reduce
  - restore
- CONDITIONS
  - conservation
  - creation
  - enhancement
  - improvement
  - maintenance
  - preservation
  - protection
  - reduction
  - restoration

A planning objective…

- IS:
  - flexible
  - measurable
  - attainable
  - congruent
  - supported
- IS NOT:
  - solution
  - absolute target
  - “Federal objective”
  - account
  - study objective

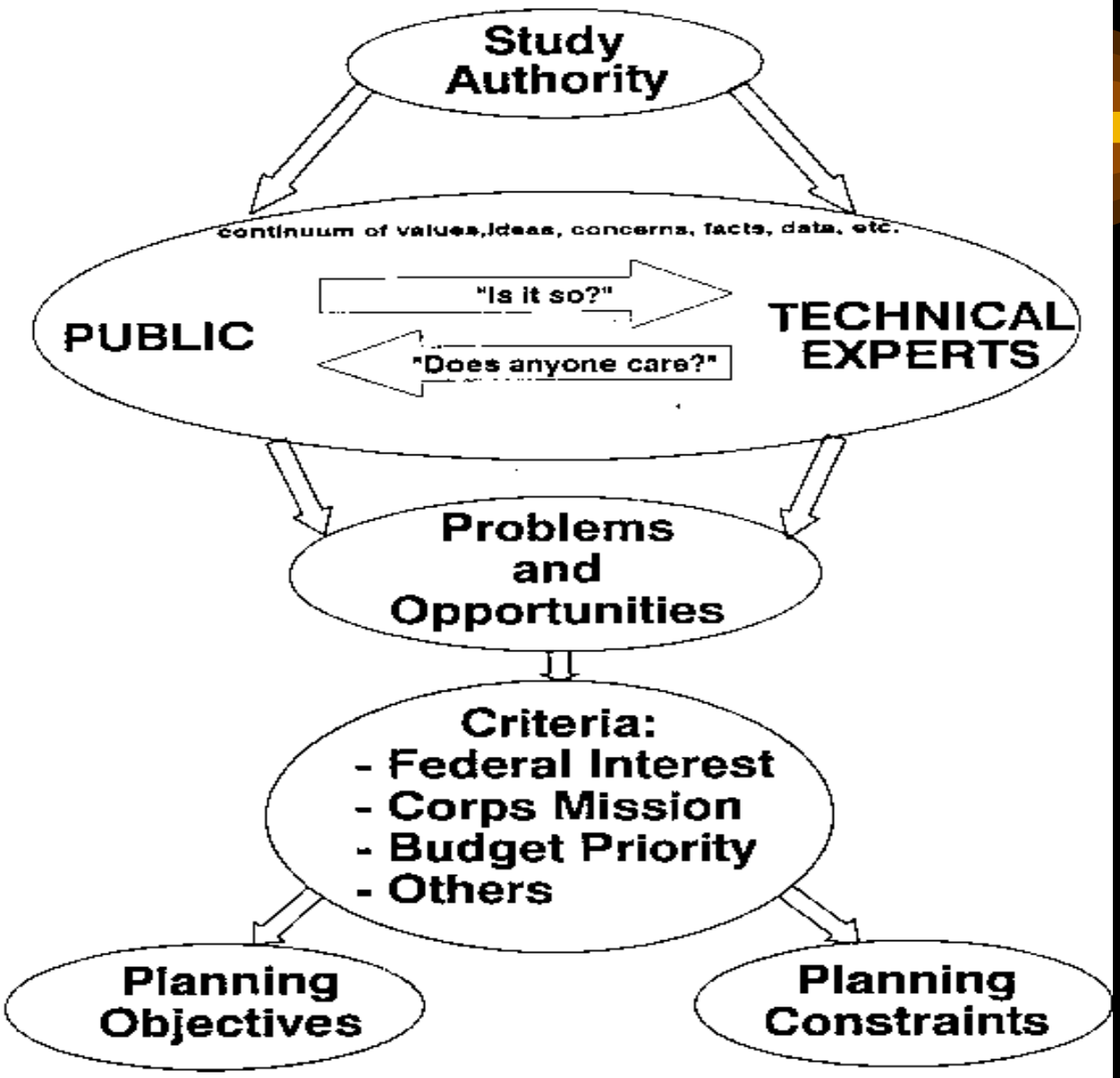
SAMPLE STUDY OBJECTIVES

- Conduct adequate environmental studies to develop habitat unit values for study area fish and wildlife.
- Formulate an NED Plan.
- Assess the effects of all alternative plans on cultural resources

These are not planning objectives

Where do planning objectives and constraints come from?

WHERE OBJECTIVES AND CONSTRAINTS COME FROM:



SAMPLE STUDY AUTHORITY

"Resolved by the Committee on Public Works and Transportation of the United States House of Representatives, that the Board of Engineers for Rivers and Harbors is hereby requested to review the report of the Chief of Engineers on the Anacostia River and Tributaries... with a view to determining if further improvements for flood control, navigation, erosion, sedimentation, water quality and other related water resources needs are advisable at this time."

WHO'S THE PUBLIC, WHO'S AN EXPERT?

- "PUBLICS"
  - Audubon Society
  - Chamber of Commerce
  - County Commissioners
  - Jane and John Doe
  - Flood Control District
  - Governor
  - Homeowners' Association
  - Mayor
  - Port Authority
  - School District
  - Sierra Club
  - State Fish and Game Dept.
  - State Transportation Dept.
  - USEPA
  - USF&WS
  - etc.
- "EXPERTS"
  - archeologists
  - attorneys
  - biologists
  - chemists
  - civil engineers
  - ecologists
  - economists
  - geographers
  - geologists
  - hydraulic engineers
  - hydrologists
  - landscape architects
  - planners
  - psychologists
  - sociologists
  - etc.

PROBLEM/OPPORTUNITY CRITERIA

- Federal interest
- Corps interest
- Administration policy
- [High] priority [budget] output
- Project purposes
- NED benefit categories
- Study authority
- Significance

What do you do with planning objectives and constraints?

USE THEM USE THEM
USE THEM USE THEM
USE THEM USE THEM
USE THEM USE THEM
USE THEM USE THEM
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USE THEM USE THEM

USE planning objectives:

- To guide *inventory* data collection and *forecasting*.
- As the basis for *formulating* alternative plans.
- To guide *evaluation* of effects.
- As a basis for *comparing* alternative plans.
  - Used with the P&G formulation criteria
- As a basis for *selecting* a recommended plan.

GOOD PLANNING OBJECTIVES…OR NOT?

- Restore riparian cottonwood/willow habitat along the lower five miles of Macca River through the year 2020.
- Provide a control structure to enhance tidal flushing in the the marshes north of the City of Maccaville.
- Contribute to National Economic Development in the City of Maccaville consistent with protecting the Nation's environment.
- Assess the impacts of a flood control project in the City of Maccaville through the year 2020.
- Minimize disturbance of riparian habitat used by the endangered Ferocies along the Macca River.

GOOD PLANNING OBJECTIVES…OR NOT?

- Minimize flood damages to residential, commercial, public, industrial, and historic property;
- Develop a comprehensive plan;
- Provide consistency with local initiatives and the cultural and environmental character of the community, including aesthetics; and
- Protect and improve environmental and cultural resources.

GOOD PLANNING OBJECTIVES…OR NOT?

- Restore the rocky subtidal habitat and associate kelp forest ecosystem along the Portuguese Bend coastal area, and
- Reduce turbidity that is degrading kelp forest habitat along the downcoast areas of Portuguese Bend in the vicinity of Whites Point

GOOD PLANNING OBJECTIVES…OR NOT?

- Optimize the efficiency of transporting existing and future commerce through the Port of Hueneme.
- Preserve and improve environmental resources to the maximum extent practicable.

GOOD PLANNING OBJECTIVES…OR NOT?

- The specific planning objective is to reduce flood-associated damages along Murrieta Creek and threats to human safety.
- The objective for environmental restoration is to identify an implementable plan to restore the riparian ecosystem of Murrieta Creek and its tributaries near their confluences with Murrieta creek using the flood control facilities as the structural base for the restoration.
- The objective for recreation studies is to identify a recreation plan which would integrate well with the other objectives, and to provide recreation to the residents of the area which would not impact the goals of flood inundation reduction and environmental restoration.

GOOD PLANNING OBJECTIVES…OR NOT?

- Provide sustainable and diverse native riparian habitat in and around the Tres Rios area.
- Reduce flood damages to the Holly Acres community, surrounding development, and agricultural areas..
- Increase environmental education and recreation in the study area.

GOOD PLANNING OBJECTIVES…OR NOT?

- Objective of contributing to NED through the reduction of flood inundation damages
- Reduction in the cost of complying with FEMA requirements for the flood proofing of individual developments.
- Consideration of environmental opportunities to enhance the viability and longevity of the Coachella Valley Preserve, and
- Development of coincidental recreation opportunities, such as bicycle, hiking, and equestrian trails, along project rights-of-way

GOOD PLANNING OBJECTIVES…OR NOT?

- Provide increased flood protection for the residents and businesses of Santa Barbara
- Restore the major species of a native riparian community along the project reach
- Remove and suppress invasive non-native vegetation and replace with native plants
- Remove man-made construction materials long the creek bottom and restore to natural creek
- Enhance the aquatic habitat by changing the streambed characteristics

LESSON REVIEW

- *Concepts*
  - *Problems*
  - *Opportunities*
  - *Goals*
  - *Objectives*
  - *Constraints*
- *Where do they come from?*
- *What do you do with them?*